ORIGINS TECHNOLOGY SUMMARY

REQUIRED CAPABILITY		PERFORMANCE GOALS					TECHNOLOGY OPTIONS			
DESCRIPTION	PRIORITY	METRICS	UNITS	SIM	NGST	PF	DESCRIPTION	SOA	LIMIT	DEMO?
Autonomy										Lb
Autonomous GNC Operations	High									
Onboard Resource Management	High									
Anomaly Detection and Correction	High									
On - board analysis of scienc data	Med									
Simulation	High									
Harware in the loop simulation necessary for phase C/D testing and validation of subsystems and operations that cannot be demonstrated with ground testing										
Comments:										
Autonomous operation is key to reducing mission lfecycle costs										
Autonomy critcial to TPFA due to long comm delays										

Autonomy & System Simulations